

Ysleta ISD Long-Range Technology Plan

Supporting the Initiatives

Addressing Impediments to Effective Support (continued)

Budget constraints (continued)

as a function of the number of devices on the network or in an organization.

For virtually every K-12 educational institution, the formulas are unsupportable from a budget standpoint. As a result, K12 districts have created support organizations that combine a centralized/decentralized approach to virtually every aspect of technology support except wide area network support (which in most instances is either a contracted expense or a central office item).

There have been several reasons why the budgetary constraints have continued. One of the reasons is that with a fixed budget, districts are reluctant to hire non-teaching personnel. That is understandable, given the general feeling that the focus of a campus individually, or a district collectively, ought to be on the instruction. However, with the increased of technology resources in the day-to-day instruction, districts are also faced with the very real consideration that the technology resources can neither be taken for granted, nor can they be used only when convenient.

Over the next several years, the goal of the district is to define the technical support for the network in terms that stress the complement to instruction that these employees perform. In some organizations, particularly higher education, these staff members are defined as professional faculty, so that their contributions are formally recognized organizationally and factored into the instructional outcomes.

Unrealistic Staffing Expectations

Too often, and up to the present time, the cost for technology initiatives has been limited to the costs to acquire and install hardware, and the cost of software. Ongoing costs (maintenance, repair, upgrades, and replacements) have never been correctly accounted and in some cases not even considered. Further, support

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Budget constraints (continued)

of the resources and training are other costs not typically applied as post-implementation costs.

One of the additional factors that YISD must address is staffing levels. YISD has over 55 campuses, each with a LAN and several hundred workstations. In addition, the training requirements are significant at each campus, both for basic computer use and for advanced curriculum integration issues. Every campus needs support in the effort to integrate technology into instruction, and the most effective scenario is one combines centralized support based on feeder pattern and/or grade level, with campus-based support in the form of full-time specialist with responsibilities solely in the integration area.

To address the misrepresentation of ongoing costs, more districts are becoming more careful to define the costs of all the elements required to make an initiative successful. Because the support of the network and instructional technology initiatives are increasingly recognized as core requirements, more districts (including YISD) are factoring these costs into technology projects.

These increased support costs and requirements are especially important in the planning and implementation of projects that have enormous related increases in support costs, such as student laptops and teacher laptops. YISD has been careful to account for these requirements; the challenge is to attach a realistic and sustainable post-implementation cost to the staffing requirements for support of technology initiatives and to build that cost into the budget for the project.

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Addressing Impediments to Effective Support (continued)

Defining an Appropriate Support Structure

K-12 districts throughout the country are grappling with how to support technology. Many scenarios for support organizations have been proposed, and several have received favorable reviews. However, no support scenario has received general approval.

Compounding the problem is the fact that support has always been of two essentially disparate types: technical support, and support for technology integration. The technical and integration expertise is rarely available in the same person; because the type of support has usually been the responsibility of at least two different departments, the additional organization communication and coordination has to be a priority.

Finally, the issue of centralized (district level) and decentralized (campus-based) support has been an interesting issue to sort out. There has been little consensus on which support responsibilities ought to be centralized and which ones ought to be campus-based. As a result, there are several different types of support at the campus level, each corresponding with the technology strengths of the campus generally and/or the requirements at the campus.

The intent of the district over the next several years is to define universally the best areas for centralized support and, likewise, the best areas for campus-based support. The formalized aspects in this area, specifically job descriptions and job titles, will be addressed as well. Ultimately, this will allow the district and the campuses to deliver, in combination, a far more effective and cost-efficient level of support for all aspects of technology.

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A Plan for Professional Development

The professional development initiatives in the area of technology can be broken down into two essential areas:

- technical areas
- technology integration areas

Professional Development for Technical Support

The staff development in this area will target the technical specialists throughout the district, in the central office departments and campuses.

The providers of the services will be trainers from third-party trainers and vendors, and technical staff from the district.

The topics will include LAN administration and management (including adding users, customizing filtering, creating and managing browser profiles, etc.), web page development, WAN administration, and telephone training.

Professional Development for Technology Integration Support

The staff development in this area will target a wider range of district personnel, primarily from the campuses.

The providers of the services will be trainers from third-party trainers and consultants, district trainers (from Division of Academics and Office of Technology), and campus experts.

The topics will include basic computer operations, productivity software training, instructional software training, Internet training at various levels (including basic searches and bookmarking, review and evaluation of sources, and integration of the internet into classroom projects and research), creating assignments to optimize technology use, incorporating project-based assignments into the curriculum, using digital portfolios, using video in the classroom, and other uses for technology in lessons and classroom activities.

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A Plan for Professional Development (continued)

Coordination of District and Campus Professional Development Strategies

For the last several years , each YISD campus has submitted an Integrated Campus Action Plan (ICAP) that addresses instructional goals and objectives and other initiatives at the campus.

The ICAPs include campus professional development initiatives, which can be supported internally at the campus or with support from the Division of Academics Professional Development staff.

The articulation of the campuses ICAPs with the district professional development initiatives is especially important in the technology area. Campuses are working together and with the district level staff to ensure the critical subject areas are covered. all teachers are given the opportunity to enhance their skills, and all the necessary training is provided that complements the campus instructional initiatives.

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Goal 6: The District will provide equitable state-of-the-art learning and work environments that integrate instruction and technology for all students and employees

Objective 1: All schools (staff and students) in the district will be equitably funded and equipped with instructional technology systems

Initiative	Previous Status	Updated Status
1) Develop a funding plan that will provide equitable access to all staff and students for technology acquisitions.	See items 1A through 1H below.	See items 1A through 1H below.
1A) Form a committee from various areas to develop an equitable funding plan	In process of developing the plan.	In process of developing plan.
1B) Every professional staff member should have a personal computer	Need 730 laptops for teachers; Cost each \$2,300; Total cost \$1,674,400	Need 260 laptops for teachers; Cost each \$2,300; Total cost \$589,000
1C) Every professional staff member shall have access to the teaching tools relevant to meet their instructional needs	All but eight campuses have been completed	Remaining eight campuses to receive computers and training in 2002-2003 school year
1D) Every student (general and Special Ed) should have the tools such as laptops, labs, instructional systems, or other technologies that could be checked out as needed to satisfy the TEKS at their grade level	Presently there are 5,000 laptops on hand.	This is being reevaluated to use the units currently on hand; presently there are 8,249 laptops on hand
1E) Equal accessibility to meet the unique needs of high schools, middle schools, or elementary schools	This item is tied to item 1A.	This item is tied to item 1A.
1F) Provide extended access hours for students, staff, and community members to resources, technology equipment, and applications	Currently being met at some campuses	Recent award of T.I.F. grant will allow enhancement to this item
1G) Plan for student laptop battery replacement	Replacement batteries for the original 2,900 student laptops will cost approx. \$60 each; total cost \$174,000	Have received 2,000 batteries via a vendor E-Rate credit
1H) Replace or refresh of obsolete teacher laptops and other equipment as identified	This item is pending.	Plan needs to be developed.

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Objective 2: YISD will develop and implement a training model that will address the technology needs of all YISD staff. *(Staff Development)*

Initiative	Previous Status	Updated Status
2) All professional staff will meet or exceed the technology applications benchmarks (6th-8th)	.	
2A) All staff will receive a minimum of twelve hours of technology based training per year	C.T.C.s have started this project	District wide plan is being drafted to address this issue
2B) Training will be based on teacher proficiencies	Plan is being developed	Comprehensive assessment plan has been developed and is to be implemented in Fall 2002
3) A district based training staff will be created to serve all YISD personnel		
3A) Five additional trainers and one support specialist	Developing job descriptions	Already hired 2 of these individuals and in the process of hiring one more
3B) Design a plan of action based on district and campus technology needs	Currently evaluating assessment tools.	Assessment tool has been selected; Implementation to begin in Fall 2002
4) Purchase mobile training lab to provide campus based training	Already purchased two mobile training labs.	Completed
5) Provide training for CTCs or campus based personnel to facilitate the integration of technology into the curriculum		
5A) Problem-based learning and integration strategies	In progress	C.T.C.s will receive special training to train the teachers in the 'Active Learning' software
5B) Hardware and Software	In progress	Same

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Objective 2: YISD will develop and implement a training model that will address the technology needs of all YISD staff. *(Staff Development)*

Initiative	Previous Status	Updated Status
6) Multiple options in technology training will be provided to meet the needs of YISD staff		
6A) Campus based training	Campus training handled by C.T.C.s; C.O. training handled by Instructional Technology and Technology Information Systems	Same
6B) Web based training	Pilot program handled by 'Classroom Connect'	Need to identify need
6C) Distance learning	Need to identify need	Same
6D) Outside resources; ie, Region 19 Texas Library Connection	Handled by Region 19	Same
7) Prepare an annual software, hardware, and training needs analysis at the district and campus levels.		Developing a recommended standardized software list in all areas.
7A) Develop an assessment tool to measure teacher technology proficiencies	See item 2B above	See item 2B above
7B) Teachers will develop digital portfolios demonstrating technology integration	This item is still pending	Need to form a committee to develop the actual plan

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Objective 2: All students will implement a PreK-12 curriculum for technology using the National, State, and district standards as a model (*Instructional Integration*)

Initiative	Previous Status	Updated Status
8) Use the national and state standards to develop a district wide technology curriculum guide for PreK-12		
8A) Core competencies for performance assessment	Being implemented	Continue to update lesson plans as needed
9) Develop guidelines and assessment rubrics for product based learning	See item 8 above	See item 8 above
10) Develop a standardized district educational software recommendation list	A group of teachers have been selected and are investigating the options available	Teachers have already selected the software which is due to be piloted this fall 2002
11) Develop a Division of Technology team to support and assess campus technology initiatives	Already in place	
12) Develop a district wide program to provide community access to technology	This is in the planning stage; awaiting a T.I.F. grant.	This is in progress. It is due to be implemented this coming school year.
12A) SAT, GED, CBE opportunities on campus	See item 12 above.	See item 12 above.
12B) Tutorials	See item 12 above.	See item 12 above.
12C) Enrichment	See item 12 above.	See item 12 above.
12D) Problem solving/research	See item 12 above.	See item 12 above.
12E) Internet access	See item 12 above.	See item 12 above.

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Objective 3: All schools will implement a PreK-12 curriculum for technology using the National, State, and district standards as a model. *(Instructional Integration)*

Initiative	Previous Status	Updated Status
13) Facilities standards will be developed to define requirements for new schools and retrofitting existing campuses for the support of technology	A portion of this is driven by NEC and EIA/TIA standard practices. Other requirements refer to electrical and pathway standards. This is in progress.	Same.
13A) Electrical Standards Committee	This initiative is not completed. It is in progress but not formalized.	Same.
13B) Data communications pathway standards	This initiative is not completed. It is in progress but not formalized.	Same.
13C) Environmental standards	This initiative is not completed. It is in progress but not formalized.	Same.
14) Develop and implement plan to upgrade existing facilities to meet standards	Have repeatedly requested funding to add HVAC to Comm. Rooms to equalize temperature	Funding to add HVAC to Comm. Rooms to equalize temperature is available.
14A) Plan prioritize	Initiative is not at this point.	Same.
14B) Implementation	Initiative is not at this point.	Initiative is not at this point.
15) Maintain Internet access at speeds acceptable to district users		
15A) Increase ISP service to district	Project is underway.	Installed DS-3 and dual T-1 Multilink PP to R-19. Requested OC-3 in Year 5 E-Rate
15B) Load Balance Service to improve fault tolerance	Awaiting Year 5 E-Rate award	Completed October 2001
16) Provide E-Mail service to all students and staff	Awaiting Year 5 E-Rate award	Awaiting Year 5 E-Rate award; Notification due Summer 2002
16A) Develop a plan to consolidate student e-mail services	Awaiting Year 5 E-rate award	Awaiting Year 5 E-rate award; Notification due summer 2002
16B) Easy to use i.e., shorten mail domain name (YISD/ORG/NET)	This project is underway.	This will be completed summer 2002
16C) Accessible from anywhere (RAS, VPN, HTML, Mail)	Awaiting Year 5 E-rate award	Dial-in currently available; working on VPN
16D) Update AUP to encompass e-mail services	Project on hold pending additional staff	Currently being addressed; Projected completion in 2003

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Objective 4: On an on-going basis, provide a flexible technology infrastructure that allows the district to address all instructional and administrative initiatives efficiently and cost-effectively. *(Infrastructure)*

Initiative	Previous Status	Updated Status
17) Provide Remote Access Services (RAS) to District staff and students	Project is currently in progress	This objective has been completed
18) Provide adequate communications facilities for the WAN		
18A) Upgrade T-1 (1.54 Mbps) to 100 Mbps service	Project is in progress	In progress; Projected completion is Summer 2002
19) District will provide standards regarding network connectivity		
19A) Written guidelines on attaching servers, workstations, printers, and network electronics to the network	Project on hold pending the hiring of additional staff	Will start to address in Fall 2002; projected completion in Summer 2003
19B) Minimum configuration standards for equipment to be attached to the network	Project on hold pending the hiring of additional staff	Will start to address in Fall 2002; projected completion in Summer 2003
19C) Equipment obsolescence schedule and replacement plan	Project on hold pending the hiring of additional staff	Will start to address in Fall 2002; projected completion in Summer 2003
19D) Addition of network resources (servers) will be planned to minimize duplication of services – Directory Services (unified structure by campus)	Awaiting Year 5 E-rate award	Awaiting Year 5 E-rate award; Notification due summer 2002

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Objective 3: On an ongoing basis, provide a flexible technology infrastructure that allows the district to address all instructional and administrative initiatives efficiently and cost-effectively. *(Infrastructure)*

Initiative	Previous Status	Updated Status
20) District will provide a web infrastructure that facilitates communication between district staff, students, and community.	These items (20A, 20B, 20C, and 20D) were on hold pending the hiring of additional staff	The District's new Web Application Developer began April 22, 2002. He is investigating the current
20A) Establish facilities for both Internet and Internet web sites that are secure and easy for a campus, department, teacher/class, student to post pages.		web structure and is looking into ways to automate and streamline the web process for the District. These items
20B) Establish policies and procedures relating to direct posting form staff and students.		are also impacted by the Year 5 E-Rate award, which provides a
20C) Push administrative information through the Web to allow secure access to student/employee information, etc.		replacement for the severely aging web server, and has yet to be awarded.
20D) Establish a web support team for district web initiatives		

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Objective 4: On an on-going basis, provide a flexible technology infrastructure that allows the district to address all instructional and administrative initiatives efficiently and cost-effectively. *(Infrastructure)*

Initiative	Previous Status	Updated Status
21) The District will provide voice (telephone) services to all staff and implement CIT (Computer Integrated Telephony) applications to enhance student, staff, and community communications.	Items 21A and 21B are awaiting Year 5 E-rate award	These items (21A and 21B) are awaiting the Year 5 E-Rate award. This notification should come in summer 2002
21A) Develop policy and standard technologies for parent reporting of absences, special announcements (Phonemaster).		
21B) Fax on demand/Fax to E-Mail		
21C) Voice over IP	This is scheduled to be requested on the Year 6 E-Rate request.	This is scheduled to be requested on the Year 6 E-Rate request.
22) Develop a plan to improve network availability and computer availability by implementing Network Management/remote desktop management capabilities.	Items 22A, 22B, and 22C are awaiting Year 5 E-rate award	These items (22A, 22B, and 22C) are awaiting the Year 5 E-rate award. This notification should come in summer 2002.
22A) SNMP agents/monitors		
22B) Remote control software		
22C) Self-healing/repairing installations		
23) Community Technology Centers available to students, staff, and community for internet, applications, etc.	This project is on hold.	Same

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Objective 4: On an on-going basis, provide a flexible technology infrastructure that allows the district to address all instructional and administrative initiatives efficiently and cost-effectively. *(Infrastructure)*

Initiative	Previous Status	Updated Status
24) Protect infrastructure with Uninterruptable Power Supplies	This objective is pending a Year 2001 appeal as well as a new Year 5 E-Rate request to cover us in the event the first appeal fails.	The Year 2001 appeal was denied. Therefore, we are awaiting the Year 5 E-rate award. This notification should come in summer 2002.
25) Wireless Infrastructure	These initiatives (25A and 25B) are proposed for Year 6 E-Rate (2003). This is being planned at that time because of the issue of the immature nature of the technology and the lack of performance associated with distributed environments at this point in time.	Same.
25A) Implement campus wide integrated RF structure		
25B) Publish standards related to use of wireless infrastructure		

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Objective 5: The District will develop, implement, and continually assess all administrative systems (student, finance, human resources, web-based applications, records management) to insure that information management and program administration are completed with maximum efficiency and functionality, eliminating unnecessary paperwork, streamlining processes, and providing multiple opportunities and avenues for communication and interaction among District Campuses, departments, and users. (*Admin. Systems*)

Initiative	Previous Status	Updated Status
STUDENT SYSTEMS		
26) Standardize computerized grading programs K – 12 with student accounting systems.		
26A) Implement IGPro at all secondary schools	This project is underway.	This project has been completed.
26B) Develop IGPro interface for Elementary grade reporting	Awaiting communication with Chief Academic Officer to pursue middle schools.	This project has been completed.
26C) Implement automated attendance at the classroom level	This initiative is on target as of November 2001.	This is on hold due to the Student System RFP.
26D) Implement health and immunization for all school nurses K-12	This initiative has been completed.	
26E) Implement Graduation Requirements module on SASI	Migration to SASIxp is pending.	This is on hold due to the Student System RFP
26F) Implement TAAS Data Results Module	Scheduled to be implemented in Spring 2003	This is on hold due to the Student System RFP
26G) Assess the student system to ensure that it is meeting campus/district dept. needs	Scheduled to be implemented in Spring 2003	This is on hold due to the Student System RFP

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Initiative	Previous Status	Updated Status
26H) Replace adm. Equip./matching funds	Unable to accomplish initiative due to the lack of matching funds	Unable to accomplish initiative due to the lack of matching funds
FINANCE SYSTEM: 27) Develop a plan to automate Human Resources	Need additional staff and funding to accomplish this initiative	Need additional staff and funding to accomplish this initiative.
27A) Reassess automated applicant process specifications	This initiative was completed January 2001	This initiative was completed January 2001
27B) Based on reassessment, develop an applicant process for distributed (campus/department) use.	This initiative was completed September 2001	This initiative was completed September 2001
27C) Implement the electronic inquiry of the employee's general information and benefits	This initiative is being handled by the District's Benefits Administrators for a completion date of Spring 2004	Same

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Initiative	Previous Status	Updated Status
27D) Complete the online benefit enrollment process	Initiative is on target for Spring 2002 and is being handled by the District Benefits Administrators	Initiative is on hold pending the Content Management System that is being implemented by the Web Applications Developer
27E) Develop a plan to automate all payroll, accounting, purchasing, and budget functions as they relate to campus and departments.	Initiative is in progress. Completion is dependent on additional funding and staff	Project is on hold pending additional staffing

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Initiative	Previous Status	Updated Status
27F) Develop and implement the electronic transfer of information for payroll timecards, absence from duty forms, extra duty payment, stipends, etc..	Project is on hold pending additional funding and staffing	Funding is in the proposed 2002-2003 budget for enhanced absence reporting system
27G) Develop and implement the electronic transfer of information for travel forms, student fund raising, petty cash, etc as allowed by law	Project is on hold pending additional funding and staffing	Same
27H) Reassess position control and define enhancements for more efficient use at the campus level	Project is on hold pending additional funding and staffing	Same
27I) Assess the budget amendment process as to the levels of approval and time lines and align it to campus needs	Project is on hold pending additional funding and staffing	Same
27J) Publish regulations for bid/quote standards along with the awarded bids/quotes	This initiative has been ongoing.	Completed.
27K) Ongoing enhancement of fixed assets module (inventory) and the work orders modules (trip, catering & warehouse requests).	Fixed assets module was completed October 2001. Work order module is on hold pending additional funding and staffing	Project is on hold pending additional staffing

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Objective 6: The District will facilitate the support and implementation of technology through the use of web-based resources and appropriate personnel.
(Support Services)

Initiative	Previous Status	Updated Status
WEB BASED APPLICATIONS		
28) Plan and develop a pilot program for web based applications	This initiative will be completed once SASIxp upgrade is made. RFP for SASIxp is in the development stage with a target date of September 2002	These projects (28A, 28B, 28C, 28D, 28E, 28F, and 28G) are on hold pending the Student System RFP. They will be implemented after the Student System is implemented and after the Content Management System is in place.
28A) Enrollment Benefits		
28B) Campus Registration		
28C) Campus Activates		
28D) Access to employee information		
28E) Employment Opportunities		
28F) Policies / Handbook		
28G) Peims & AEIS		
RECORDS MANAGEMENT		
29) Develop guidelines for complying with the 'Open Records Act' with regard to electronic data	In progress as per the Texas Government Code Chapter 552.	Same.
30) Develop guidelines for employee access of electronic data		
30A) Automate and streamline the add, move, and change request process for systems such as JDE, SASI, Notes, etc.	This project is on hold pending additional staffing.	Initiative is on hold pending the Content Management System that is being implemented by the Web Applications Developer

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Initiative	Previous Status	Updated Status
31) The District will have online a dynamic web based technology resource tool available for the entire district educational community	These projects (31A, 31B, 31C, 31D, and 31E) are on hold pending additional staffing.	These items (31A, 31B, 31C, 31D, and 31E) are moving forward now that the Web Application Developer is on board.
31A) Form a committee from various district stake holders to determine the scope and monitor, document, and implement the process.		Application Developer has been hired. He will need to liaison with the Instructional Technology Trainers to begin
31B) Create a survey and send to all campus and departmental personnel for information relative to the content of the resource tool, i.e., step-by-step troubleshooting guides, best practice accomplishments, software instruction procedures and availability, classroom technology curriculum guides and templates, hardware and software standards, hardware distribution, recycling and exchange process, training guidelines and opportunities		developing a structured model for integrating instructional needs for the district into our web presence.
31C) Determine hardware and software needs		
31D) Implement procedures to input informational content into the resource tool and archive process.		

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Initiative	Previous Status	Updated Status
31E) Develop documentation and outreach program to inform district education community of available resources.		
32) The District will develop, fund, and implement the Campus Technology Coordinator position at every campus over a three year period.	These initiatives (32A, 32B, and 32C) are being developed by the Instructional Media and the Technology Director	These initiatives (32A, 32B, and 32C) are on hold pending available funding.
32A) Develop CTC job description and staff guidelines, receiving input from campus, instructional, and technology departments.		
32B) Budget for CTC positions.		
32C) Implement a CTC position at every campus over the course of 2002-2004.		
33) The District will fund (2) Technology System Specialists (Field Technicians) for each feeder pattern.	No funding has been available for this initiative	Same.

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Initiative	Previous Status	Updated Status
34) Budget for TSS positions.		
34A) Implement (2) TSS positions at (7) feeder patterns.	No funding has been available for this initiative	No funding has been available for this initiative
35) The District will provide a district-wide virus scanning protection software and licenses.	Regarding items 35A, 35B, 35C, and 35D, a substantial amount of funding is required for it to become a reality. The District will need to provide direct funding to accomplish this.	These initiatives (35A, 35B, 35C, and 35D) are scheduled for a completion date of December 2002
35A) Develop RFP.		
35B) Board approval		
35C) Implement and distribute software		
35D) Annual maintenance cost		
36) The District Technology Helpdesk will provide efficient and reliable support services to technology users within the district.		

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Initiative	Previous Status	Updated Status
36A) Define the required changes to the current helpdesk system to include the capabilities for campus access to track and enter their corresponding trouble tickets	This project is currently in progress.	This initiative is complete
36B) Implement required changes.	This initiative is in progress. The projected completion date is October 2002	Same.
36C) Inform campuses of new capabilities and set up pilot program	This initiative is in progress. The projected completion date is October 2002	Same.
36D) Set up training schedule for campus implementation and access	This initiative is on hold pending additional funding and license procurement	Same.
36E) Continually assess improvements and responsiveness of the helpdesk	This project is ongoing.	Same.
36F) Develop procedures and guidelines to improve helpdesk processes and standardize end-user reporting protocols.	This project is ongoing.	Same.

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These items were not in the original master plan. They have been added for informational purposes.

Initiative	Justification
37) Year 5 E-Rate projects	These projects were not mentioned in the original plan.
37A) Cabling Services	Replace cabling for campuses that were wired prior to the asbestos abatement. Also covers the cabling at the new campuses (Connie Hulbert and the new Northeast campus).
37B) Network Electronics	Provide equipment to connect the new campuses to the network
37C) Network File and Web Servers	Most of the District's servers are over 6 years old. A server should not last over 4 years. These units need to be replaced to take advantage of the new technological enhancements.
37D) Technical Support	Maintain and monitor the network equipment and performance.
37E) Internet Access	In order to utilize the web and e-mail properly in the classroom and central office, additional bandwidth is required. This will allow services on par with Road Runner.
37F) Bandwidth Expansion	This is an ongoing cost of the wide area network. The District has migrated to a lease 100 mb fiber backbone run by Time Warner. This has increased the bandwidth between campuses by a measure of 70.
38) Other misc. projects	
38A) Cyberpatrol	This is the software that is utilized by the District for compliance with the Children's Internet Protection Act (CIPA). Content filtering, which is what this product performs, is required by federal law.
38B) Textbook Management System	This is a software system that will allow the warehouse to better handle the management of textbooks district wide.
38C) Parent/Student Messaging System	This is part of the Student RFP. This will allow parents to call in and obtain electronic information about their child(ren). It will also allow the individual campuses to contact parents regarding certain issues.
38D) Transportation Routing System	This is a software product that will allow for the efficient routing of the school buses.
38E) Food Service Winsnap License	This is a computerized meal tracking system utilized by the Food Services Department.